# CAD Plugin for Leica DISTO S910

# Getting started

- when it has to be **right**

# Basic setup

**Required:**

✓ **AutoCAD** (2012-2015) installed on Windows PC (Windows 7 or higher)

**OR**

✓ **BricsCAD** (V12-V14) installed on Windows PC (Windows 7 or higher)

✓ **DISTO Transfer** for S910 installed (Version 502)

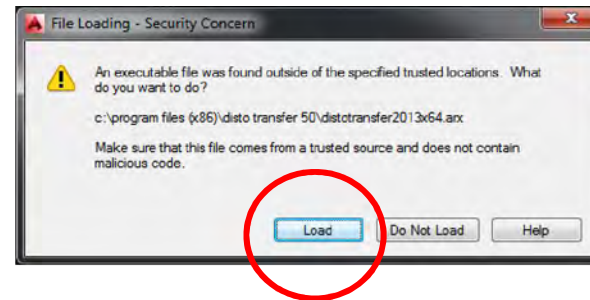✓ **DISTO S910** (Firmware Version 3254 or higher)

- when it has to be **right**

# Connect DISTO to CAD

- **Start AutoCAD/BricsCAD**

- **Setup your DISTO S910 and enable WIFI**

- **To start the plugin please enter** **LEICADISTO3D** **into the command line**


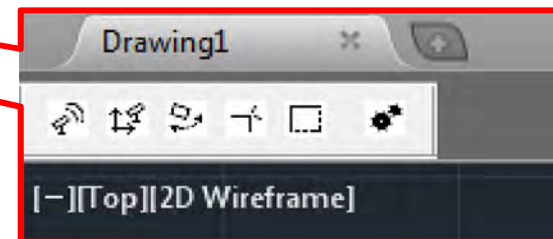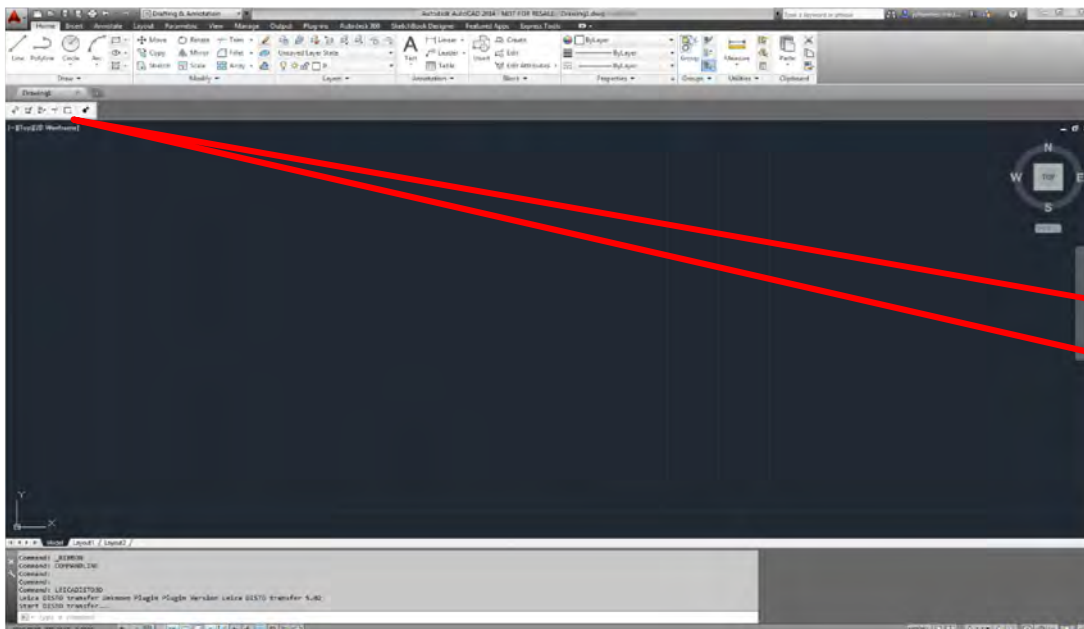
- when it has to be **right**

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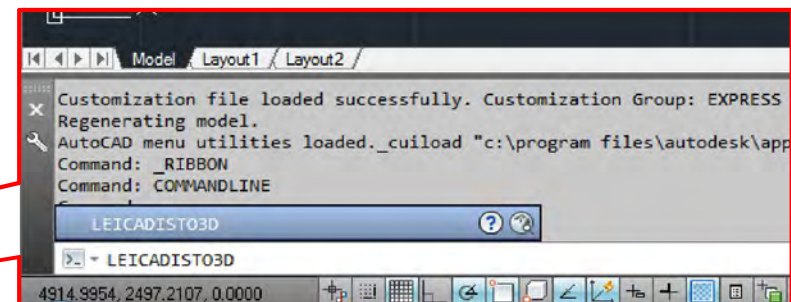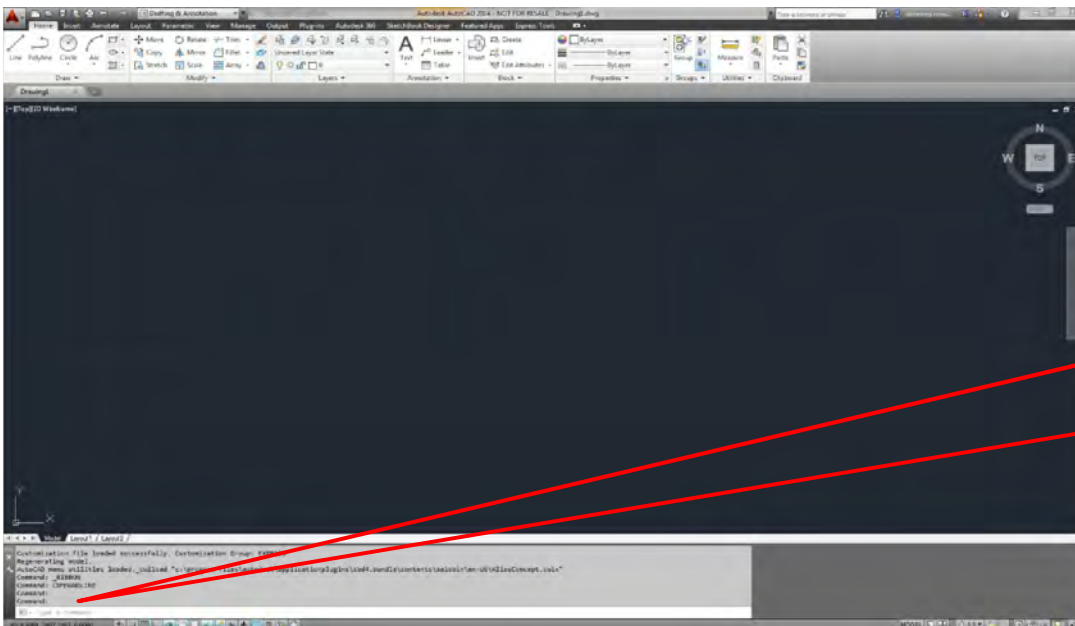
# Start DISTO transfer



- **Confirm to execute plugin**

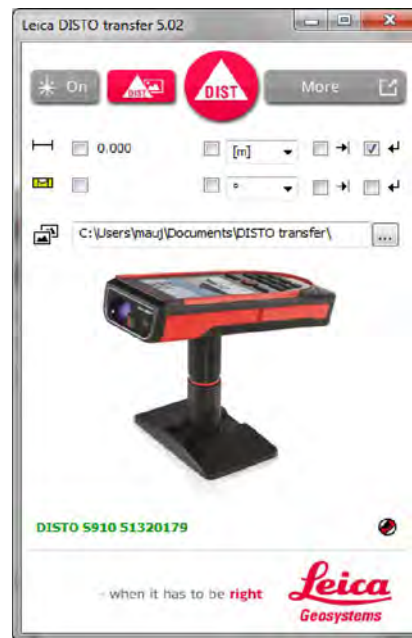- **Plugin toolbar will appear in CAD and DISTO transfer starts**



- when it has to be **right**

# Connect to your DISTO

- **Ensure WIFI is enabled on the DISTO S910**



**Looking for DISTO S910**          **DISTO connected to PC**          **DISTO connected to CAD**

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# Start to work
## DISTO enters WIFI P2P function

- **Execute levelling setup**



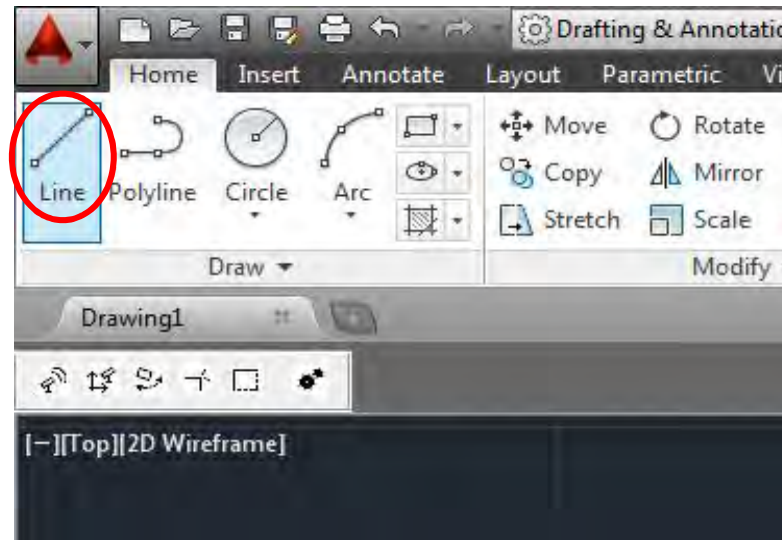- **Bubble indicates the levelling setup**

# Start a drawing in CAD

- **Start drawing by pressing on the according drawing element**

  **(e.g. Line here)**



- **Now the line drawing has started and you can measure one point after each other**

**NOTE: You need to have a drawing function active to get a value recognized by CAD**

- when it has to be **right**

# Measure your object Point by Point

- When measurement has been triggered, transmit the point into CAD
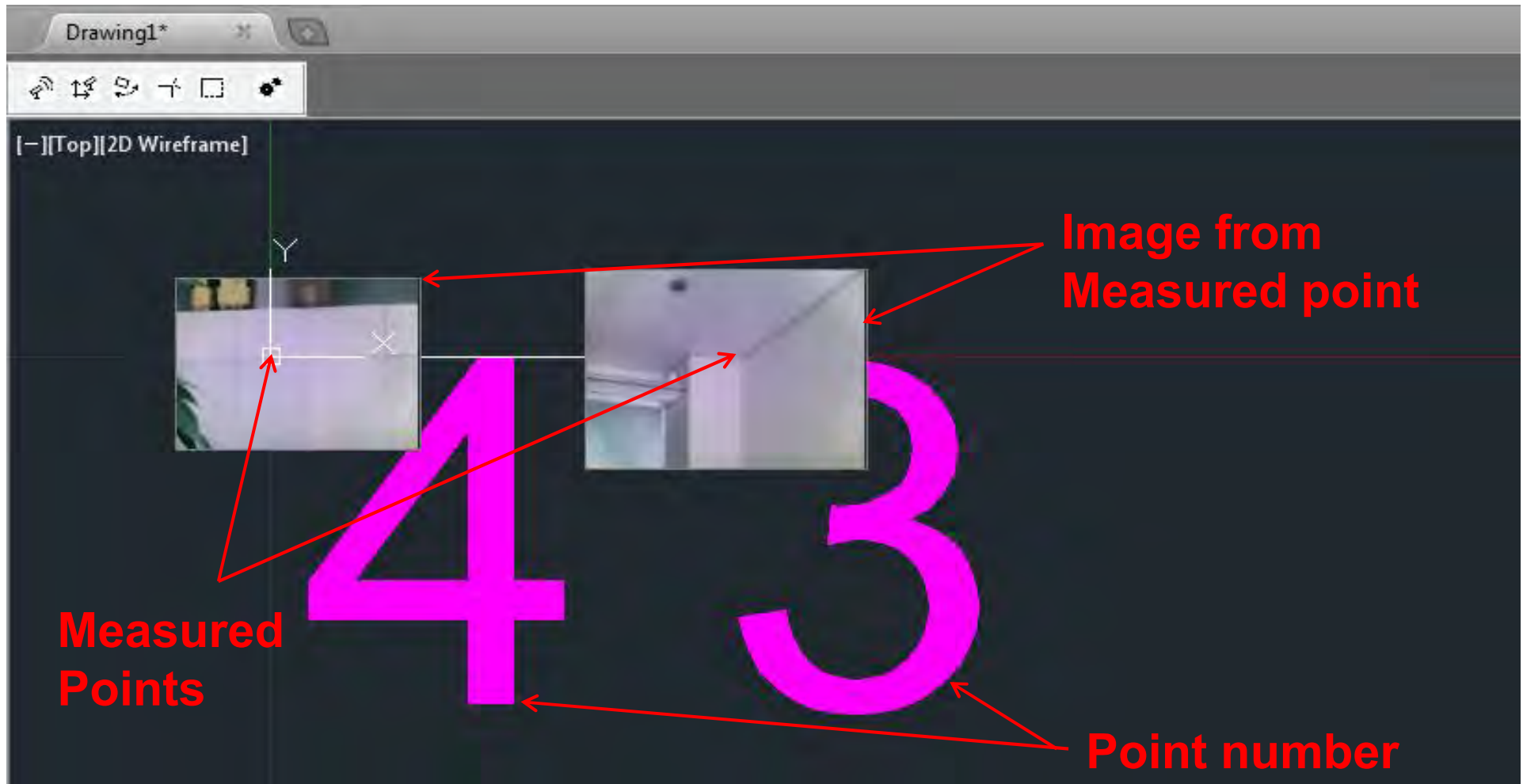


**Transmit..    Point with picture        Point without picture**

- when it has to be **right**

# Measure your object Point by Point
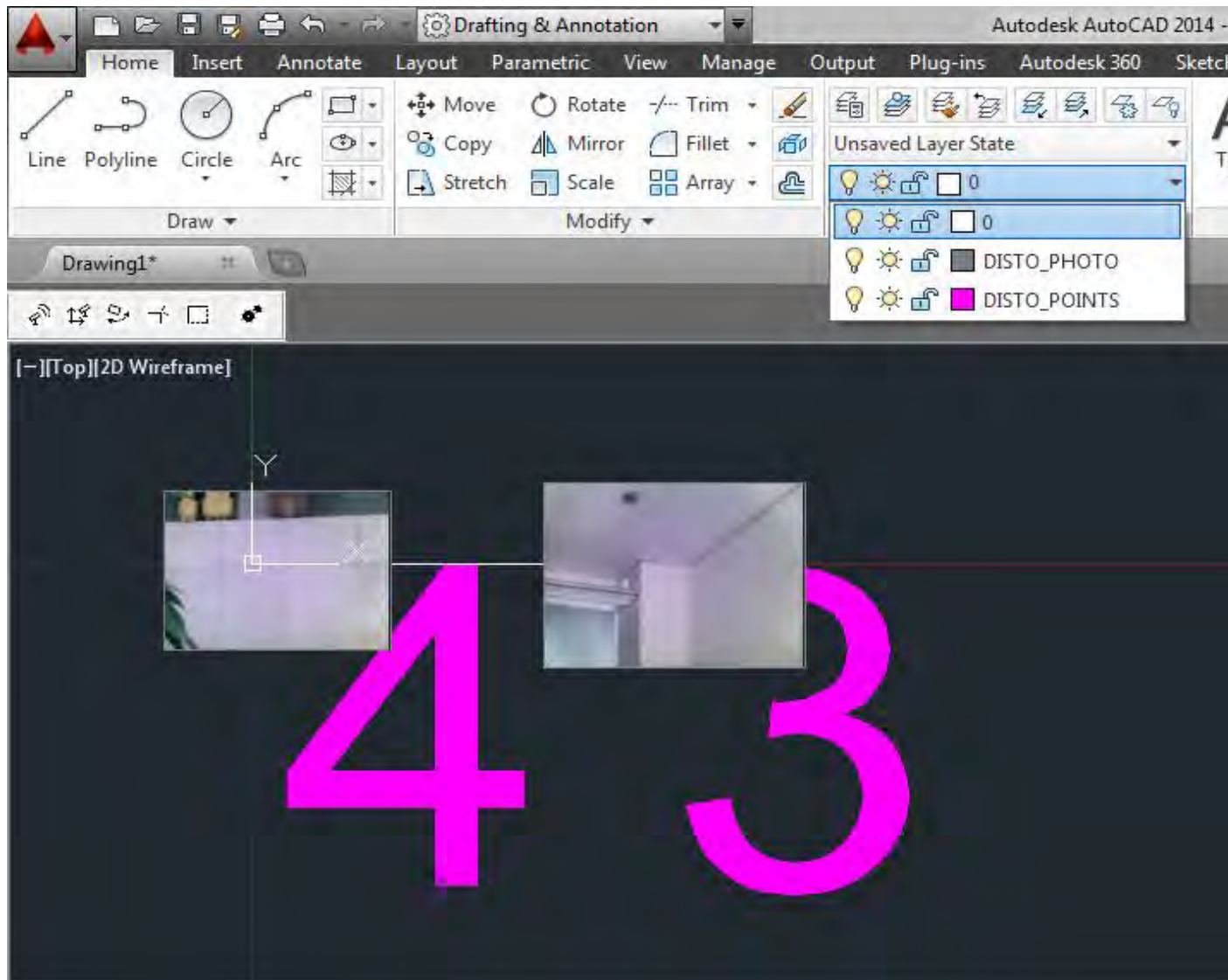
- When you have measured the points you can close the line drawing by pressing escape

- Click on "Scale to fit" to see your measured points

- when it has to be **right**
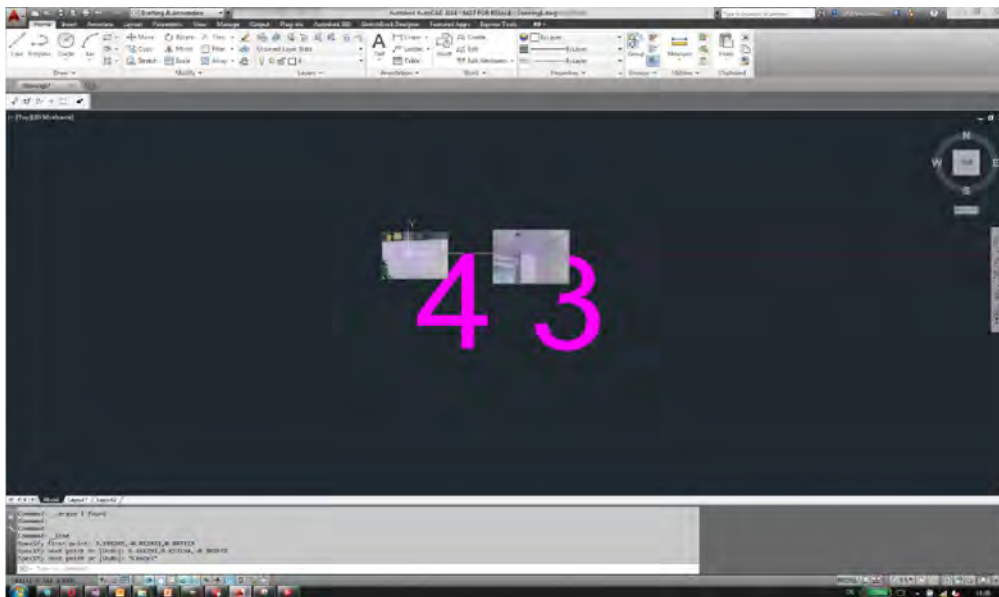
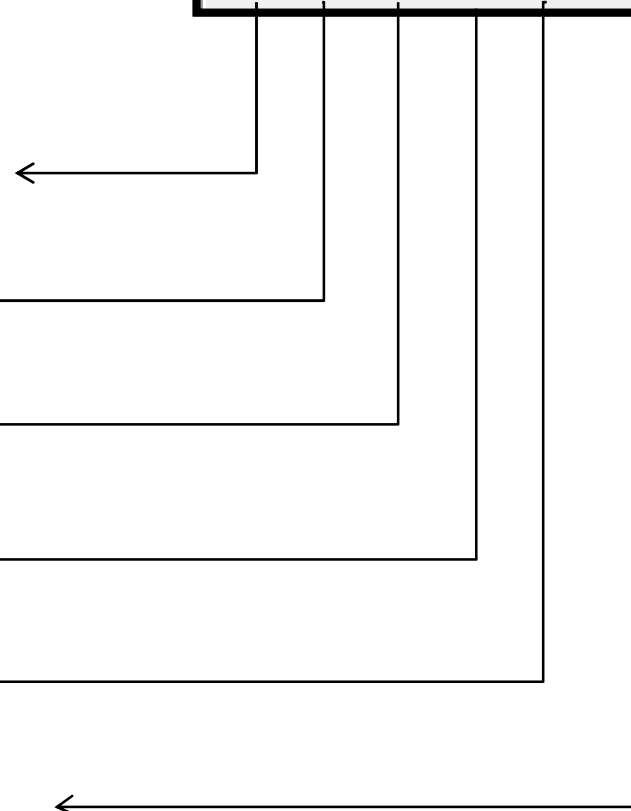# Know your drawing

# Know your drawing



→ point numbers and photos are in separate layers

→ Layers can be (de) activated if (not) required

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# Toolbar Functions
## Overview

- **Connect to DISTO manually**

- **Relocation**

- **Auto Align Images**

- **Trim Lines**

- **Draw Rectangle**

- **Settings for Text and Picture**

- when it has to be **right**

# Toolbar Functions
## Connect to DISTO

- **Establish connection to the DISTO S910**

- **Connect your CAD to DISTO transfer**

- **Reconnect if connection is lost**

- when it has to be **right**
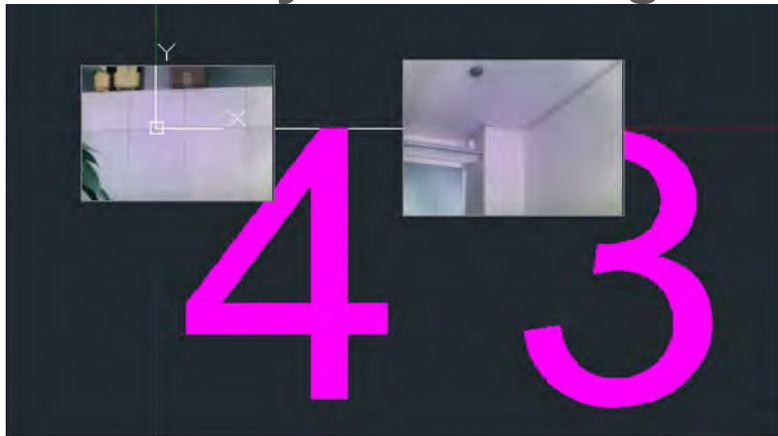
# Toolbar Functions
## Relocation

- **Reposition within a measured drawing or site**

- **Measure your site from various position to avoid blind spots**

- **Continue an already started drawing or site by measuring selected points again to reposition**

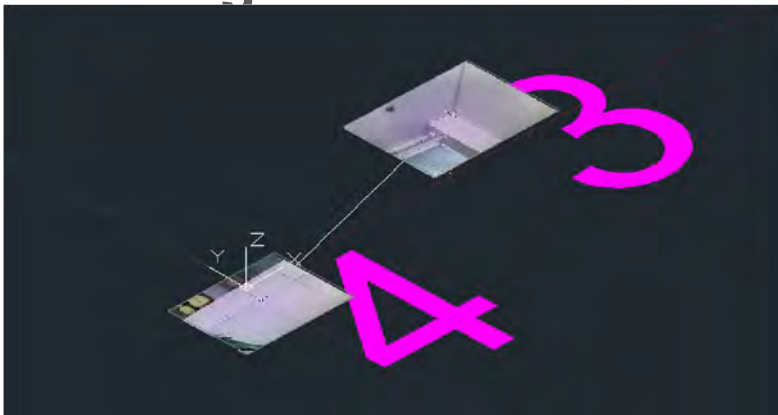- **Once selected, please follow the guided steps within DISTO transfer to relocate your DISTO S910**

- when it has to be **right**

# Toolbar Functions
## Auto Align Images

- **This is your drawing**



- **Change the view from Top to different view**

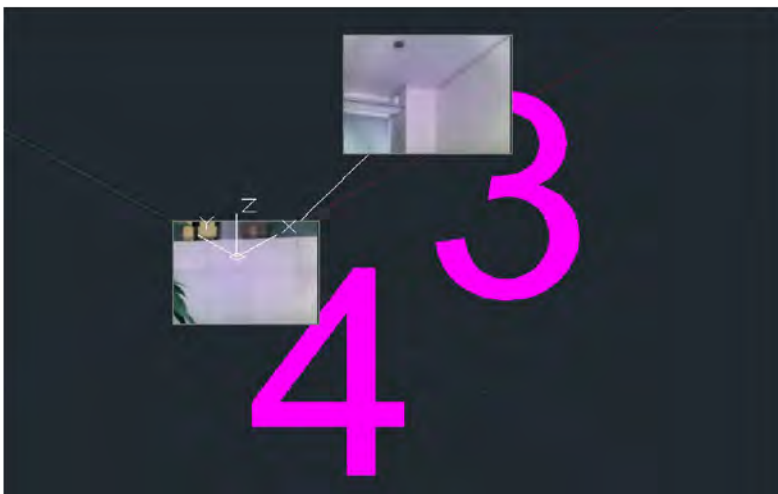- when it has to be **right**
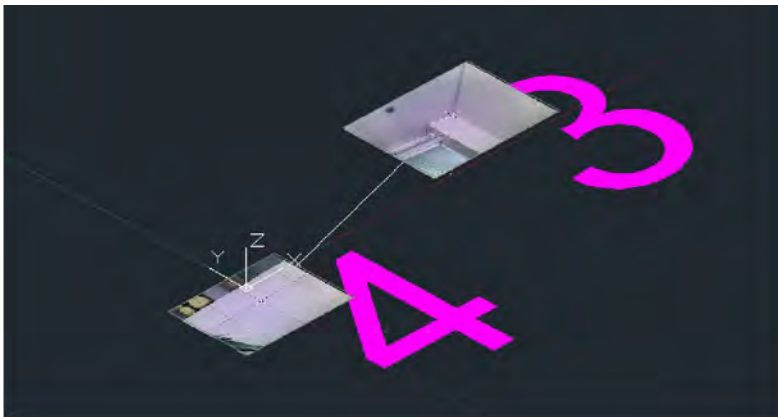
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# Toolbar Functions
## Auto Align Images

- **Select the Auto Alignment Button and press enter**



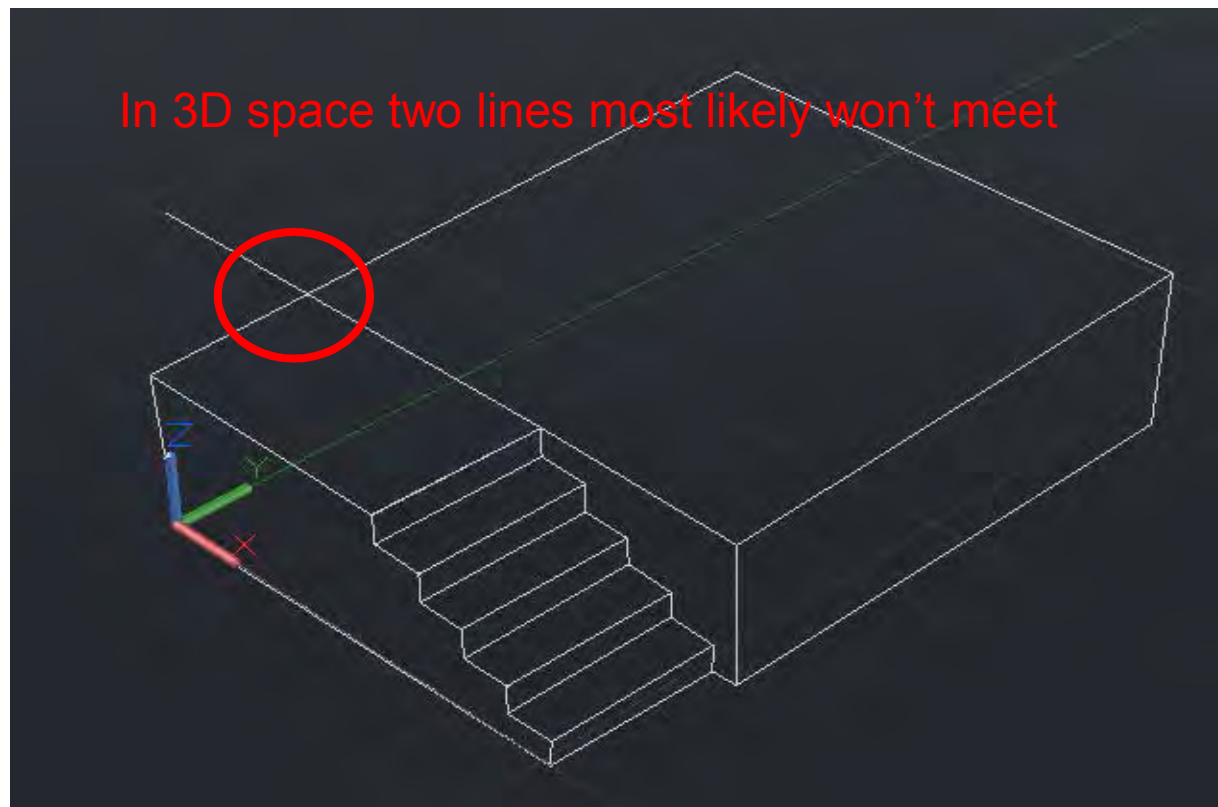✓ **Images and text are perfectly aligned to your new view**

- when it has to be **right**

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# Toolbar Functions
## Trim Lines



- **Trim two lines together**



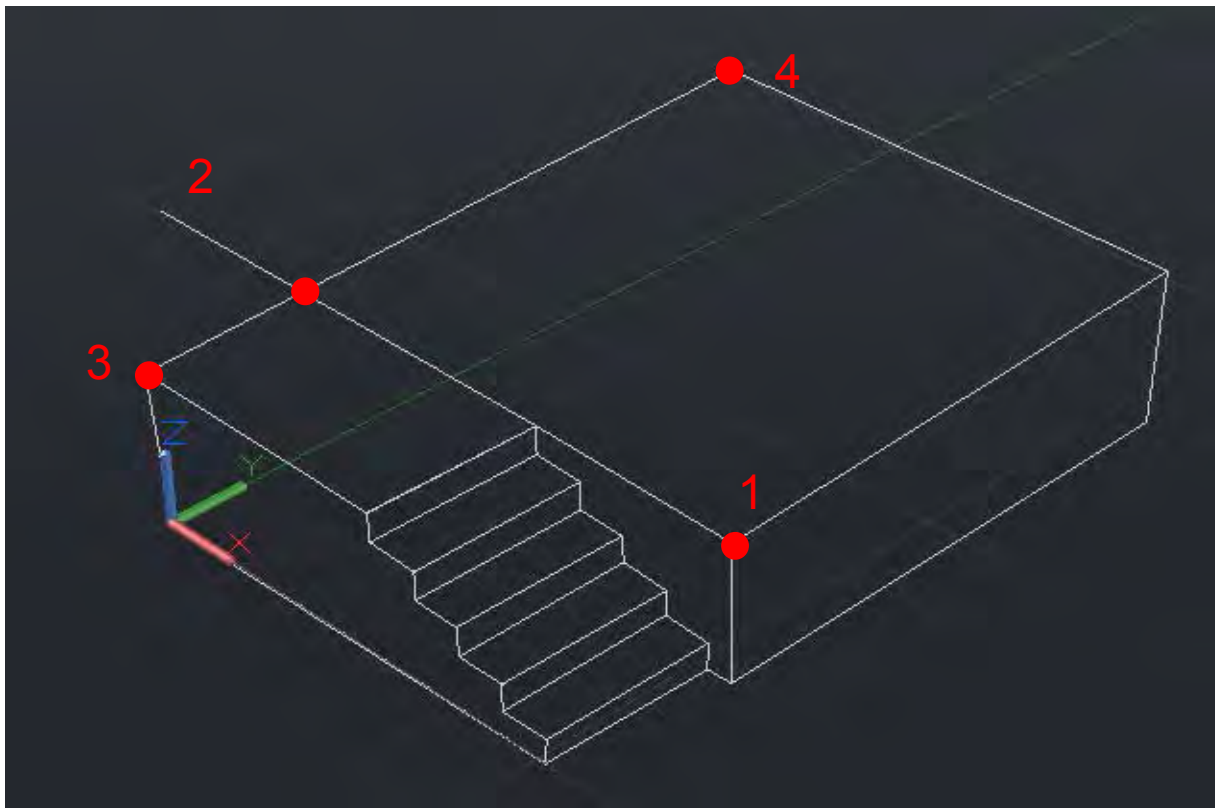In 3D space two lines most likely won't meet

- when it has to be **right**

# Toolbar Functions
## Trim Lines

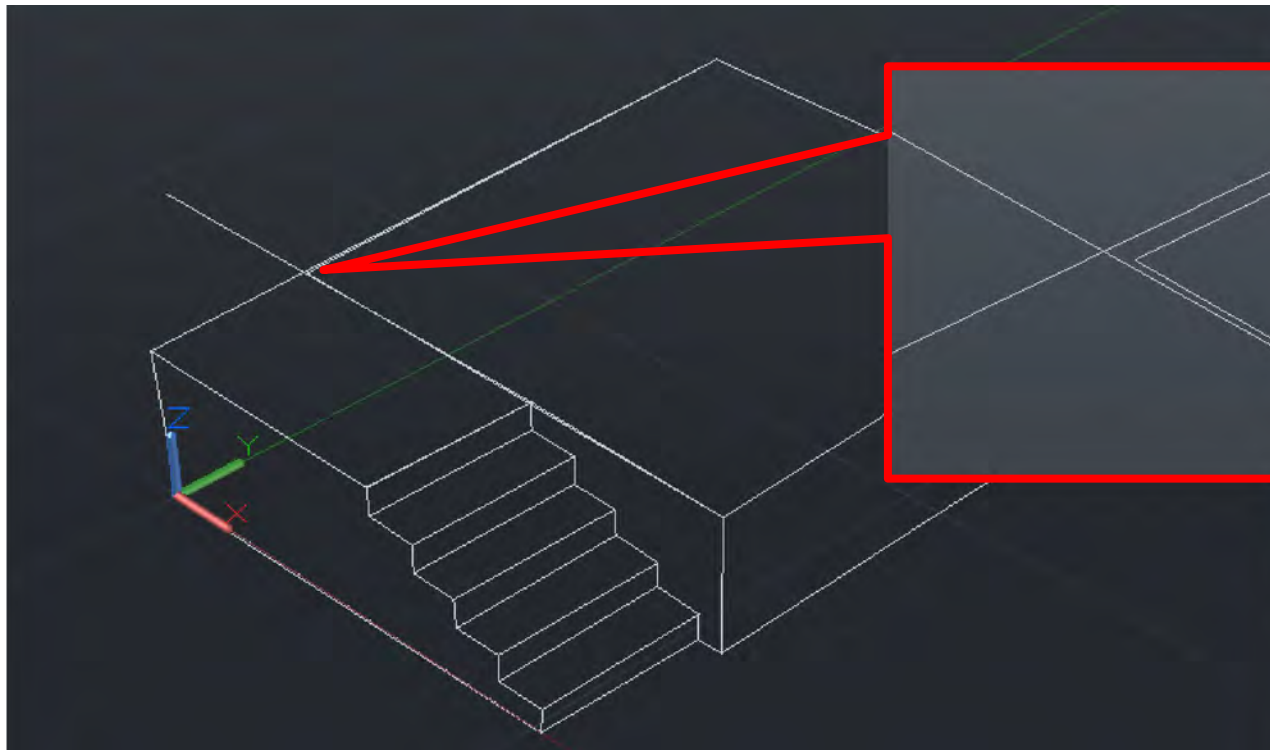- **Start Trim function in the toolbar and measure two points from the first line, and the two from the second line**

- when it has to be **right**

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# Toolbar Functions
## Trim Lines



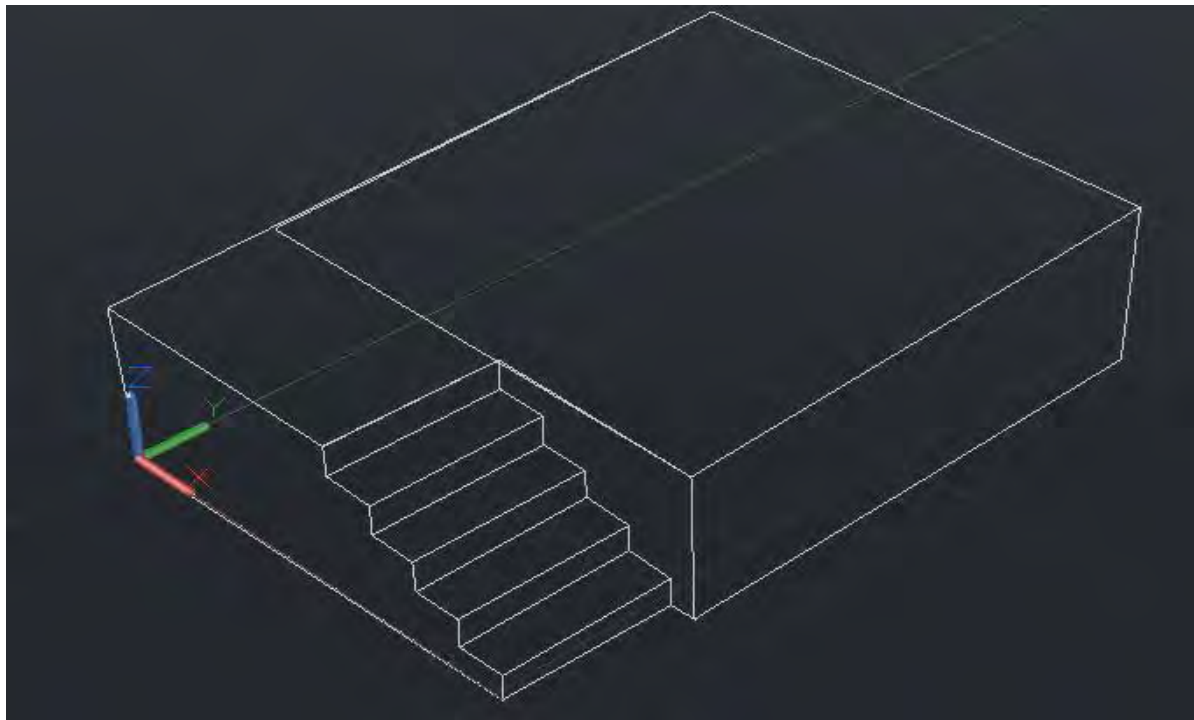- **Press enter to quit function and type in "yes" to draw remaining element**



The line section was calculated and put within the drawing as two new lines at the closest point they would meet

- when it has to be **right**

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# Toolbar Functions
## Trim Lines

- If you remove the first line sticking out you can clearly see your intersecting new lines
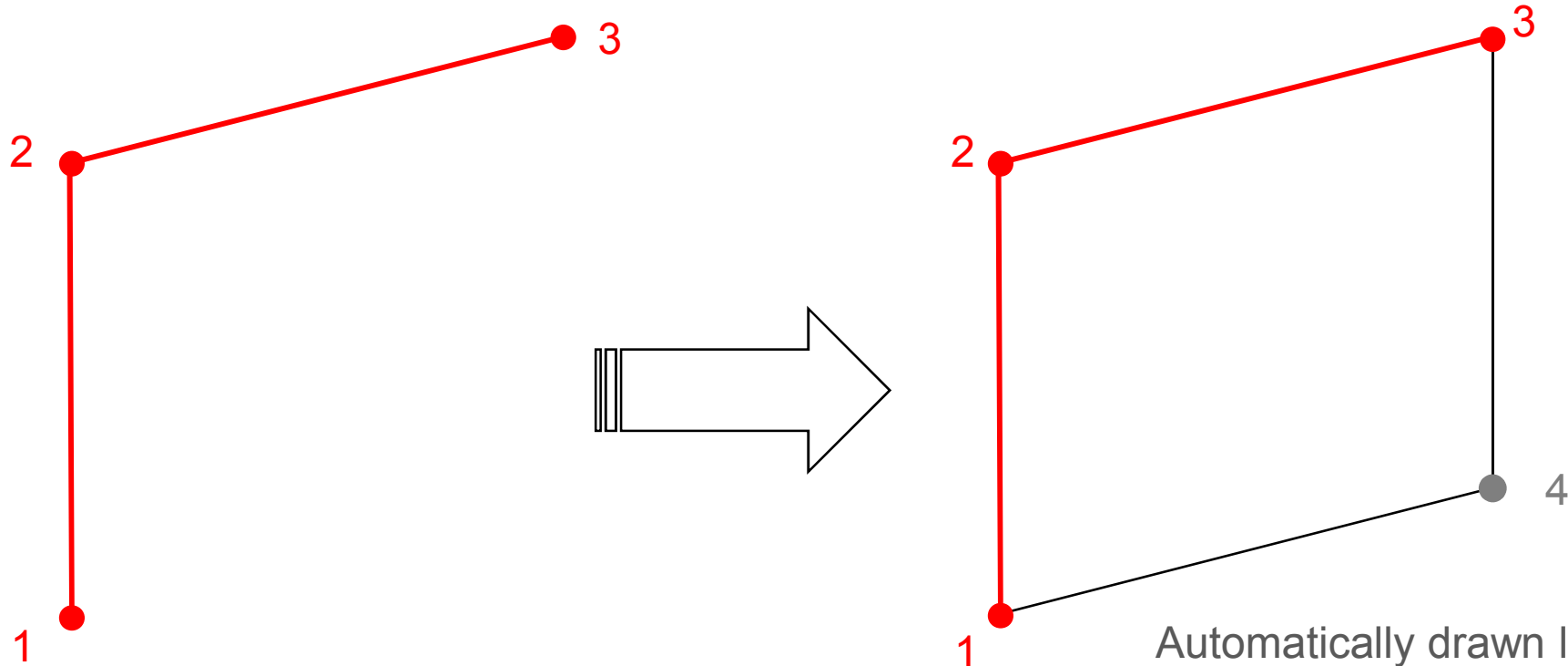
- when it has to be **right**

# Toolbar Functions
## Draw Rectangle

- **Measure three points with your DISTO S910 to create a rectangle in 3D space**

Automatically drawn lines
And remaining point is added

- when it has to be **right**

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# Toolbar Functions
## Settings for Text and Pictures

- **Adjust the text and image size**

- **TEXTSIZE is a relative value, that matches to your drawings preferences**

- when it has to be **right**

# Good to Know

- ✓ **Photos transferred from the DISTO S910 into the drawing will be stored within the same directory as the drawing**

- ✓ **Line functions and trimming is only available if the correct layer is selected**

- ✓ **Explanations to the single steps of a function are always within the command line**

- when it has to be **right**

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# Measure anything from anywhere
## right into CAD

- when it has to be **right**

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# Measure anything from anywhere
## right into CAD

- when it has to be **right**

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